

Title (en)
METHOD AND SYSTEM FOR SEPARATING WASTE POLYURETHANE FOAMS

Title (de)
VERFAHREN UND SYSTEM ZUR TRENNUNG VON POLYURETHAN-SCHAUMSTOFFABFÄLLEN

Title (fr)
PROCÉDÉ ET SYSTÈME DE SÉPARATION DE MOUSSES DE POLYURÉTHANE RÉSIDUELLES

Publication
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Application
EP 21762459 A 20210813

Priority
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Abstract (en)
[origin: EP3957453A1] Method for separating waste polyurethane foams, wherein for each polyurethane sample (1) of a supply stream (2) comprising polyurethane samples (1) from waste at least one respective spectrum (3) is recorded, wherein the at least one respective spectrum (3) is recorded by near-infrared spectroscopy, wherein each polyurethane sample (1) of the supply stream (2) is classified by a classification algorithm (5), which classification algorithm (5) is based on machine learning, based on the respective at least one spectrum (3) into a respective class (8a-e) of at least two classes (8a-e), wherein the supply stream (2) comprising polyurethane samples (1) is separated into at least two streams (11a-e) according to the classification into the respective class (8a-e) and wherein each class (8a-e) corresponds to a type of polyurethane. The disclosure also relates to a system for separating waste polyurethane foams.

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